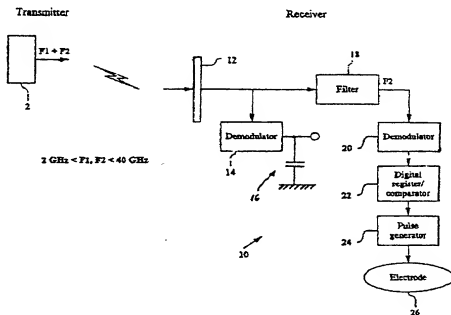




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>A61B 5/05, A61F 2/04, 2/48, A61M 29/00</b>		A1	(11) International Publication Number: <b>WO 00/13585</b>
			(43) International Publication Date: 16 March 2000 (16.03.00)
(21) International Application Number: PCT/AU99/00726		(74) Agent: MCMASTER OBERIN ARTHUR ROBINSON & HEDDERWICKS; 530 Collins Street, Melbourne, VIC 3000 (AU).	
(22) International Filing Date: 3 September 1999 (03.09.99)			
(30) Priority Data: PP 5732 4 September 1998 (04.09.98) AU PP 6056 22 September 1998 (22.09.98) AU PP 8915 1 March 1999 (01.03.99) AU		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
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(54) Title: MEDICAL-IMPLANT SYSTEM

## (57) Abstract

There is provided a system for transmission of power and/or information between a first location external of a living body and a second position internal of the living body which comprises: (a) a primary controller (2) comprising a power source and a transmitter locatable at the first locations; and (b) an antenna (12) based device (10) locatable at the second position to receive an output from the transmitter, wherein the power source is adapted to emit high frequency electromagnetic radiation between 0.5 to 5 GHz. A medical appliance comprising a spring-based stent incorporating a monitoring device wherein the spring of the stent acts as the aerial for the monitoring device and wherein the medical appliance is capable of receiving electromagnetic radiation with a frequency between 0.5 to 5 GHz.